

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
Bureau of Land Management  
Field Office

RECEIVED

FEB 19 2008

FORM APPROVED  
OMB No 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side.**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**Black Hills Gas Resources, Inc.**

3a. Address  
**P.O. Box 249 Bloomfield, NM 87413**

3b. Phone No. (include area code)  
**505-634-1111**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**790' FNL & 790' FEL Unit A  
Sec 2, T 25N, R 2W**

5. Lease Serial No.  
**NM40646**

6. If Indian, Allottee, or Tribe Name

7. If Unit or CA. Agreement Name and/or No.

8. Well Name and No.  
**Fisher Federal 2 #1**

9. API Well No.  
**30-039-23684**

10. Field and Pool, or Exploratory Area  
**Blanco Mesaverde**

11. County or Parish, State  
**Rio Arriba, NM**

**12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

**Black Hills Gas Resources intends to plug and abandon this well as soon as weather and road conditions allow.  
See attached P&A procedure dated 2-04-08.**

RCVD FEB 21 '08

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed)

**Loren Diede**

Title

**Consultant (Agent)**

Signature

Date

**18-Feb-08**

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

**Original Signed: Stephen Mason**

Title

Date

**FEB 20 2008**

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD

## PLUGBACK PROCEDURE

February 4, 2008

### Fisher Federal #2-1

Blanco Mesaverde  
790' FNL and 790' FEL, Section 2, T25N, R2W  
Rio Arriba County, New Mexico / API 30-039-23684  
Lat: N \_\_\_\_\_ / Lat: W \_\_\_\_\_

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type G, mixed at 15.8 ppg with 1.15 c/sx yield.

1. Project will require an approved Pit Permit (C-103) from the NMOCD.
2. Install and test rig anchors. Comply with all NMOCD, BLM and Black Hills safety rules and regulations. Prepare a lined waste fluid pit. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary.
3. PU on rods and release pump. Reseat pump. Pressure test tubing to 1000 PSI. TOH and LD rods and pump. TOH and tally 174 joints 2.375", TA, total tally 5702'. PU additional 2.375' tubing workstring to drill out to 6281'. If necessary, LD tubing and PU drill string.
4. PU and TIH with 4 3-1/2" DCs, XO and 2.375" tubing. Mill out composite CIBP(s) at 5850' and 6000'. Circulate well clean. POH and LD drill collars.
5. Round trip 5.5" casing scraper and tag existing cement at 6281' or as deep as possible.

**NOTE: Procedure to drill out Composite BP(s) at 5850' and 6000' and cap CIBP at 6300' with additional cement approved by S. Mason, BLM, on February 6, 2008 at 8:27 a.m.**

6. **Plug #1 (Dakota interval, 6281' – 6231' (50' plug and 50' excess): Plug #1 approved by S. Mason, BLM, February 6, 2008 at 8:27 am.** TIH and tag TOC at 6281'. Load casing with water and circulate well clean. Mix and pump 12 sxs Type G cement and spot a balanced plug above existing CIBP and cement to isolate the Dakota interval. TOH with tubing.
7. **Plug #2 (Mesaverde perforations and top, 5598' – 5498'):** TIH and set 5.5" CR at 5598'. Load casing with water and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as appropriate.* Mix 18 sxs Type G cement and spot above CR to cover the Mesaverde interval. PUH.
8. **Plug #3 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, <sup>3860' 3434'</sup> ~~3822' – 3201'~~):** Spot 68 sxs Type G cement balanced plug inside casing to cover through the Ojo Alamo top. PUH.

2380 2280

7. **Plug #4 (Nacimiento top, ~~2678'~~ – ~~2578'~~):** Spot 18 sxs Type G cement balanced plug inside casing to cover the Nacimiento top. TOH and LD tubing.
  1. **Plug #5 (9.625" Surface Casing, 321' – Surface):** Perforate 3 squeeze holes at 321'. Establish circulation out bradenhead with water. Circulate the BH annulus clean. Mix and pump approximately 120 sxs cement down 5.5" casing to circulate good cement out the bradenhead. SI well and WOC.
  2. ND BOP and cut off casing below surface casing flange. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.
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# Fisher Federal #2-1

## Current

Blanco Mesaverde

790' FNL, 790' FEL Section 2, T-25-N, R-2-W, Rio Arriba County, NM

API #30-039-23684 - Lat: N \_\_\_\_\_ / Long: W \_\_\_\_\_

Today's Date: 2/4/08

Spud: 4/18/85

GI Completed: 6/17/85

MV Completed: 5/06/05

Elevation: 7648' GL

7659' KB

12.25" hole

9.625" 36#, Casing set @ 271'  
Cement with 171 cf, circ to surface.

TOC @ 1096' (Calc, 75%)

Nacimiento @ 2628'

Ojo Alamo @ 3341'

Kirtland @ 3457'

Fruitland @ 3560'

Pictured Cliffs @ 3772'

Mesaverde @ 5995'

Comp BP @ 5850' (05)

Comp BP @ 6000' (05)

CIBP @ 6300', 2 sxs (00)

Gallup @ 6951'

Dakota @ 8160'

2.375" Tubing set at 5702'  
(174 jts, 4.7#, J-55, TA, rods and pump)

DV Tool @ 4097'  
Cement with 693 cf  
TOC @ 5080' (CBL 2000)

Mesaverde Perforations:  
5648' - 5690'

Mesaverde Perforations:  
5870' - 5962'

Mesaverde Perforations:  
6036' - 6124'

DV Tool @ 6357'  
Cement with 542 cf

TOC @ at DV tool (Calc, 75%)

Gallup Perforations:  
7066' - 7872'

5.5" 17#, J-55 Casing set @ 8419'  
Cement with 567 cf

7.875" Hole

TD 8427'

# Fisher Federal #2-1

## Proposed P&A

Blanco Mesaverde

790' FNL, 790' FEL Section 2, T-25-N, R-2-W, Rio Arriba County, NM

API #30-039-23684 - Lat: N \_\_\_\_\_ / Long: W \_\_\_\_\_

Today's Date: 2/4/08

Spud: 4/18/85

GI Completed: 6/17/85

MV Completed: 5/06/05

Elevation: 7648' GL

7659' KB

12.25" hole

9.625" 36#, Casing set @ 271'  
Cement with 171 cf, circ to surface.

Perforate @ 321'

Plug #5: 321' - 0'  
Type G cement, 120 sxs

TOC @ 1096' (Calc, 75%)

Nacimiento @ 2628'

Plug #4: 2678' - 2578'  
Type G cement, 18 sxs

Ojo Alamo @ 3341'

Plug #3: 3822' - 3291'  
Type G cement, 68 sxs

Kirtland @ 3457'

Fruitland @ 3560'

Pictured Cliffs @ 3772'

DV Tool @ 4097'  
Cement with 693 cf

TOC @ 5080' (CBL 2000)

Set CR @ 5598'

Mesaverde Perforations:  
5648' - 5690'

Plug #2: 5598' - 5498'  
Type G cement, 18 sxs

Mesaverde Perforations:  
5870' - 5962'

Mesaverde Perforations:  
6036' - 6124'

Plug #1: 6281' - 6231'  
Type G cement, 12 sxs

DV Tool @ 6357'  
Cement with 542 cf

TOC @ at DV tool (Calc, 75%)

Gallup Perforations:  
7066' - 7872"

Mesaverde @ 5995'

Existing CIBP  
@ 6300'w / 2  
sxs cement  
dump bailed  
(2000)

Gallup @ 6951'

Dakota @ 8160'

5.5" 17#, J-55 Casing set @ 8419'  
Cement with 567 cf

7.875" Hole

TD 8427'

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
1235 LA PLATA HIGHWAY  
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of  
Intention to Abandon:

Re: Permanent Abandonment  
Well: 1 Fisher Federal 2

**CONDITIONS OF APPROVAL**

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
  - a) Place the Pictured Cliffs/Fruitland/Kirtland/Ojo Alamo plug from 3860' - 3434'.
  - b) Place the Nacimiento plug from 2380' – 2280'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.